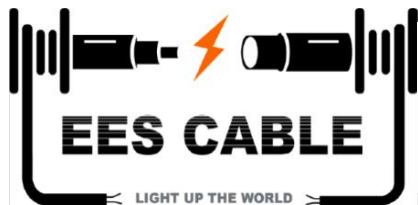


Test Report

products: Overhead insulated cable report number: PUO.20220623004Model
 Specifications: 2*6AWG+6AWG(AAC/XLPE) date: 2022.07.26
 quantity: 100km test: According to technical agreement

NO	Test items	Unit	Standard	Test result
1	Structure size			
1.1	According to technical agreement	root/dia meter	Phase line 7/1.56 Bearing line 7/1.56	Phase line 7/1.555 Bearing line 7/1.555
1.2	Mechanical properties of aluminum single wire	N/mm ²	Phase wire \geq 195 Bearing wire \geq 195	Phase line 209 217 Bearing line 214
1.3	Stranded outer diameter	mm	Phase line 4.68 Bearing line 4.68	Phase line 4.66 Bearing line 4.66
1.4	twist		Phase Line Rightward Bearing Line Rightward	Phase line Right-direction carrying line Right-direction
1.5	Pitch ratio	times	Phase line 13-16 Bearing line 10-14	Phase conductors 15.6 Carrier conductors 15.2
1.6	Conductor breaking force	KN	\geq 2.51	2.57 2.72 2.65
2	Insulation Materials		XLPE	XLPE
2.1	Insulation average thickness	mm	\geq 1.63	1.67 1.69 1.67
2.2	Thinnest part thickness	mm	\geq 1.40	1.60 1.63 1.61
2.3	Insulation outer diameter	mm	\geq 7.94	8.0 8.0 8.0
2.4	Dielectric tensile strength before aging	MPa	\geq 12.4	18.1 17.9 17.6
2.5	Insulation elongation before aging	%	\geq 250	620 610 600



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3	Thermal extension test			
3.1	Elongation at break under load	%	≤175	70 60 65
3.2	Permanent deformation rate after cooling	%	≤15	0 0 0
4	Conductor DC resistance (20°C)	Ω/km	≤2.17	2.108 2.1066 2.1057
5	AC voltage	kV	3.0kV/1min no breakdown	Not broken down
6	Printing logo, spacing		According to the contract requirements, laser printing	pass
7.1	cable laying direction		right	right
7.2	Cable pitch ratio	times	Not more than 25-60 times the outer diameter of the phase wire	34
7.3	Cable outer diameter	mm	17.15	17.20

Conclusion: The inspected items meet the technical agreement standard requirements.

Inspection: Dongdong Shi Review: Xiaoyan Wang Approval: Aihong Wang

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